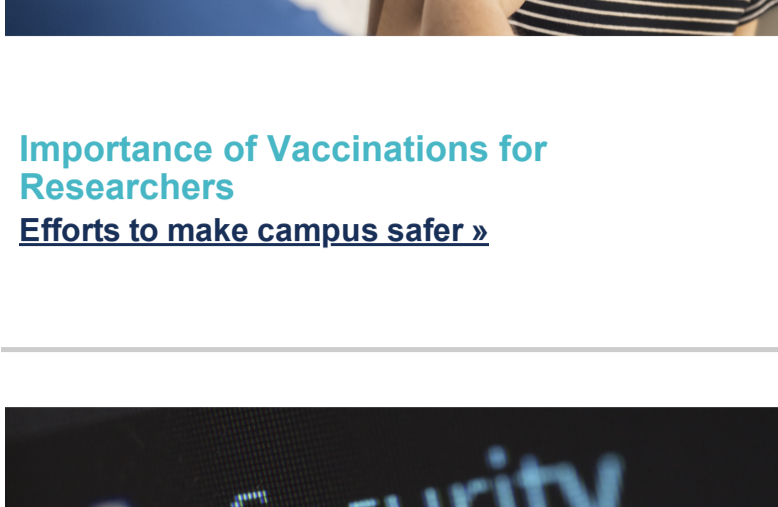


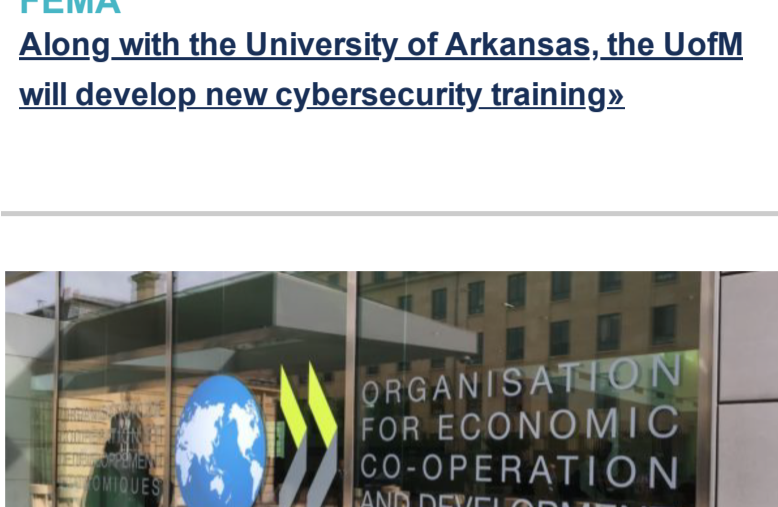
RESEARCH + INNOVATION NEWSLETTER

November 2021 • COVID-19 Updates



Importance of Vaccinations for Researchers

[Efforts to make campus safer »](#)



Center for Information Assurance Works to Expand Training Opportunities Under FEMA

[Along with the University of Arkansas, the UofM will develop new cybersecurity training »](#)



Kris-Stella Trump Receives Scholarly Recognition

[Will join OECD and serve with other scholars from around the world »](#)



CoRS Research Awards

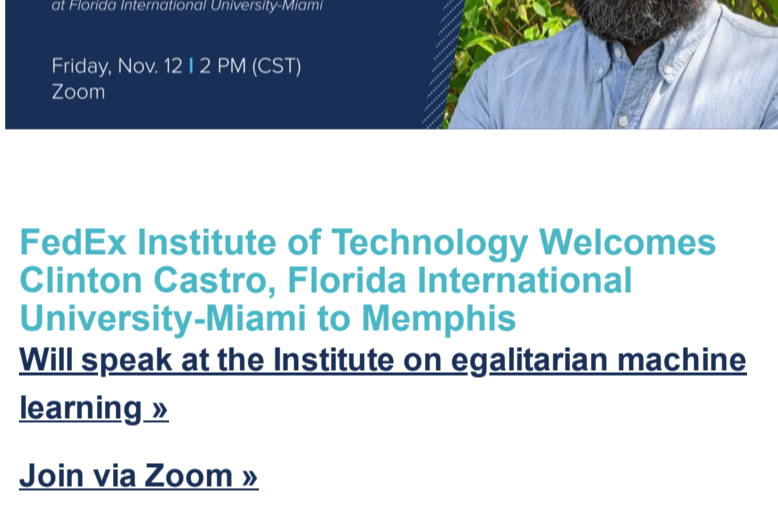
[Helping faculty build interdisciplinary communities of scholars on campus »](#)



2021 West Cancer Foundation/UofM Call for Proposals

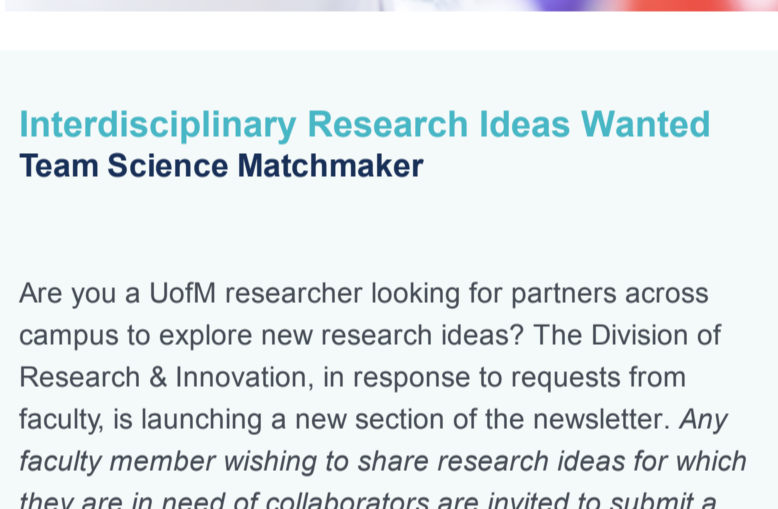
[Deadline to submit: Nov. 12 »](#)

[Call for Proposal details »](#)



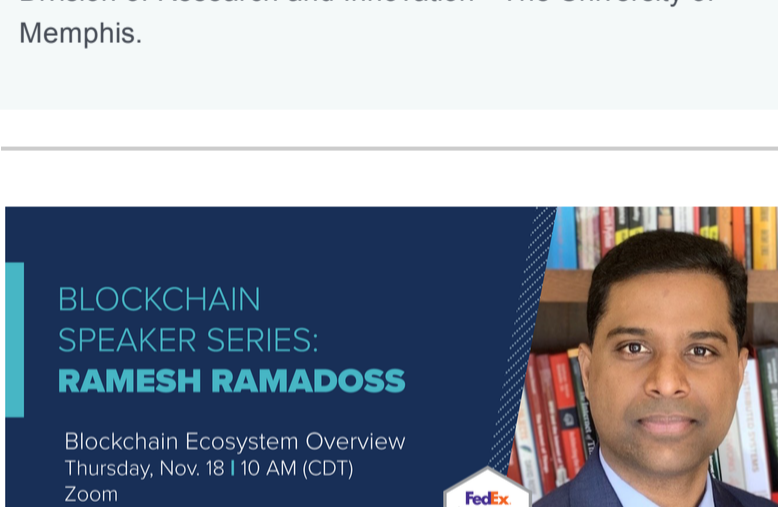
Bloomer's Work Published in The Atlanta Journal-Constitution

[Nutrition, habits and the vaccine »](#)



Graduate Student Research Spotlight November 2021

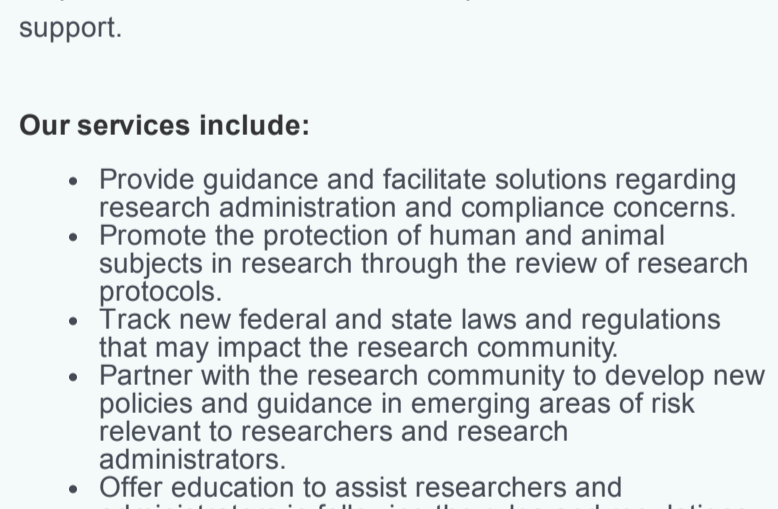
[Highlighting Sarangi's research and work as it relates to hearing loss »](#)



FedEx Institute of Technology Welcomes Clinton Castro, Florida International University-Miami to Memphis

[Will speak at the Institute on egalitarian machine learning »](#)

[Join via Zoom »](#)

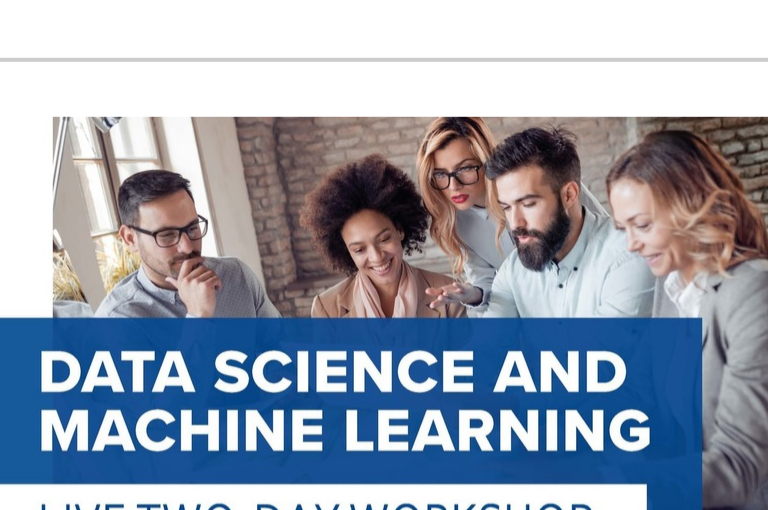


Interdisciplinary Research Ideas Wanted Team Science Matchmaker

Are you a UofM researcher looking for partners across campus to explore new research ideas? The Division of Research & Innovation, in response to requests from faculty, is launching a new section of the newsletter. *Any faculty member wishing to share research ideas for which they are in need of collaborators are invited to submit a story to our newsletter section titled "Interdisciplinary Research Ideas,"* you may submit a brief description (500 words) of the research idea along with the types of collaborators you are seeking. We invite ideas that push boundaries, excite creativity, improve our community or engage new lines of research for the University.

For details on submissions for this section or to ask questions about what can be included, email researchdev@memphis.edu.

You may also try our Team Science Matchmaker if you'd like our office to help pair you with researchers across campus. Check that out at [Team Science Matchmaker](#) - Division of Research and Innovation - The University of Memphis.



Compliance Corner Research Compliance

The Research Compliance program is a resource to investigators to assist in the implementation and adherence to university policies and state and federal regulations related to the conduct of sponsored research.

Our priority is to help our research community act as a responsible steward of federal and private research support.

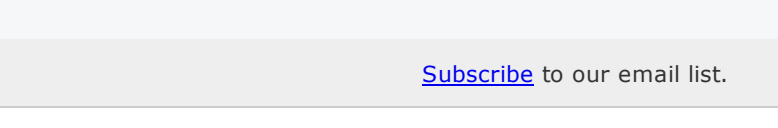
Our services include:

- Provide guidance and facilitate solutions regarding research administration and compliance concerns.
- Promote the protection of human and animal subjects in research through the review of research protocols.
- Track new federal and state laws and regulations that may impact the research community.
- Partner with the research community to develop new policies and guidance in emerging areas of risk relevant to researchers and research administrators.
- Offer education to assist researchers and administrators in following the rules and regulations related to the conduct and administration of research.
- Promote scientific integrity by providing education, guidance, and oversight on issues like conflict of interest and ethical behavior in the design, conduct and reporting of research.
- Monitor and audit research compliance activity.
- Providing faculty and staff the ability to report concerns confidentially and investigate as appropriate.

We are available to you at researchcompliance@memphis.edu.

NIST SP 800-171 Compliance

Certain research projects sponsored by U.S. federal agencies, in particular the Department of Defense (DoD), are required to demonstrate compliance with the standards outlined in NIST SP 800-171. The University of Memphis has developed the guidelines to assist research teams with achieving and maintaining compliance. This [webpage](#) has more information and guidance for research security compliance needs.



Research Study Participation Opportunities

- [College of Health Sciences »](#)
- [Department of Psychology »](#)
- [Speech Perception Assessment Laboratory »](#)
- [Hearing Aid Research Lab »](#)
- [Center for Information Assurance »](#)

DATA SCIENCE AND MACHINE LEARNING

LIVE TWO-DAY WORKSHOP

Grow your career in as little as two days by learning to code, analyze data and make predictions with Python.

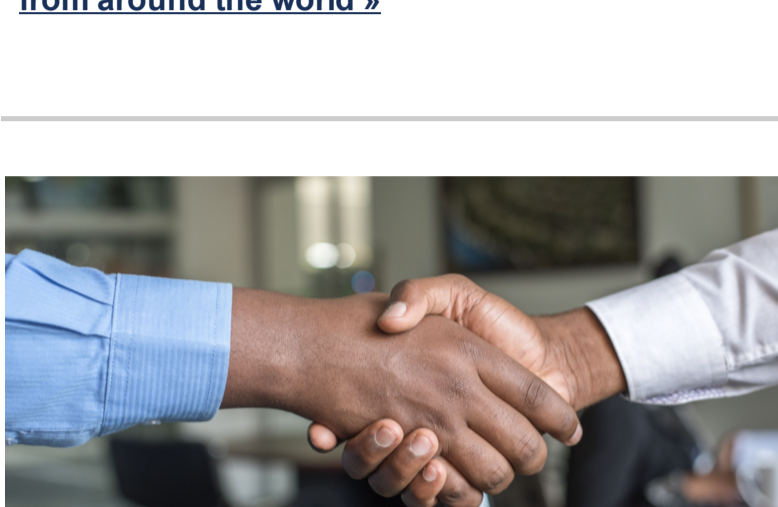
- Learn the basics of data science and machine learning.
- Learn how to create predictive models using real-world examples ranging from predicting house prices to cancer.
- Participants can choose either on-ground attendance or remote virtual attendance.
- Workshop taught by a Computer Science professor and modeled after courses taught to CS majors at the University of Memphis.

FRI., NOV. 12 AND SAT., NOV. 13 | 9 AM - 4 PM

REGISTRATION: \$500 / STUDENT SPECIAL: \$200

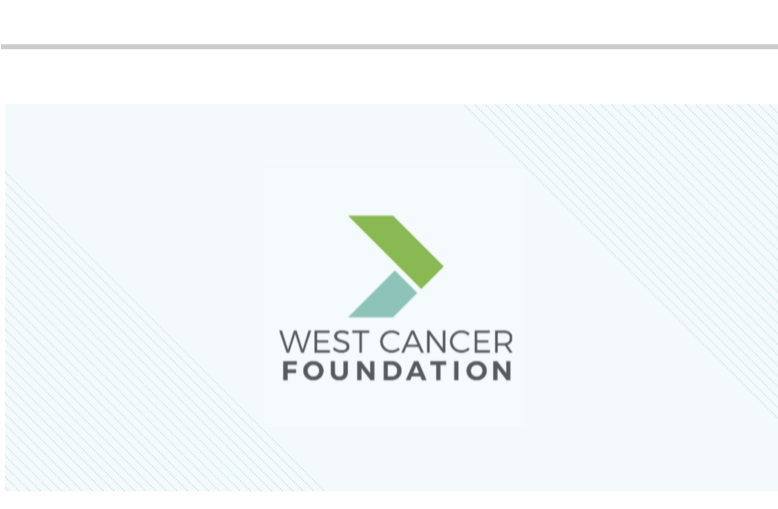
REGISTER OR LEARN MORE AT go.gi/E73FyI

Please email inquiries to ldrush@memphis.edu
Refunds will be issued if requested one week prior to workshop.



2021 VIRTUAL CORNET SYMPOSIUM

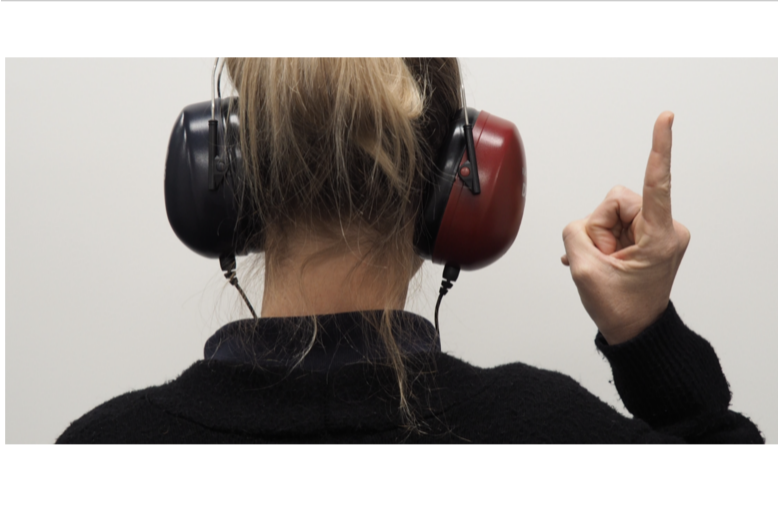
COLLABORATIVE RESEARCH NETWORK



COVID-19 RESEARCH



COVID-19 RESEARCH



COVID-19 RESEARCH



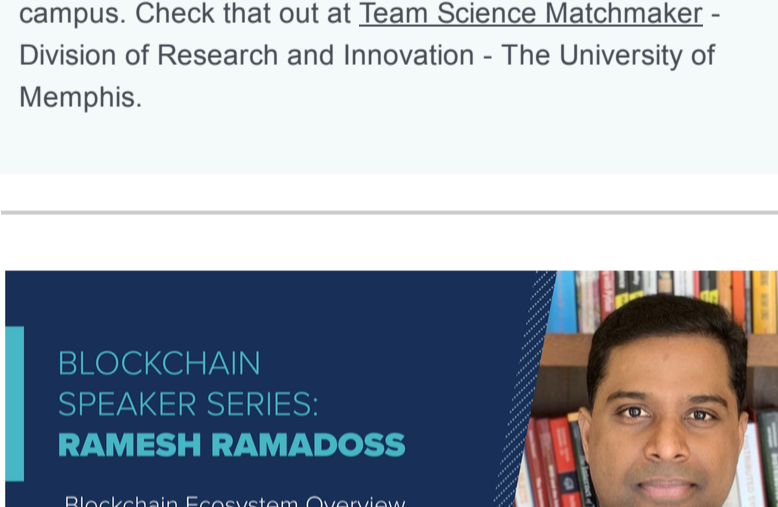
COVID-19 RESEARCH



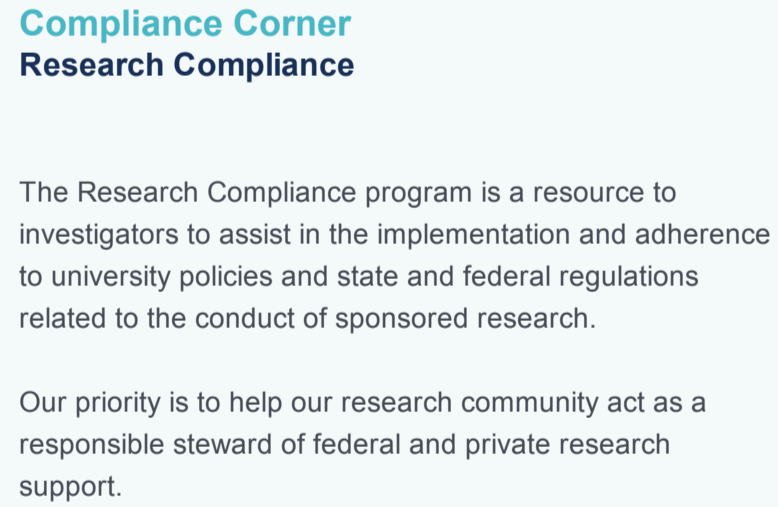
COVID-19 RESEARCH



COVID-19 RESEARCH



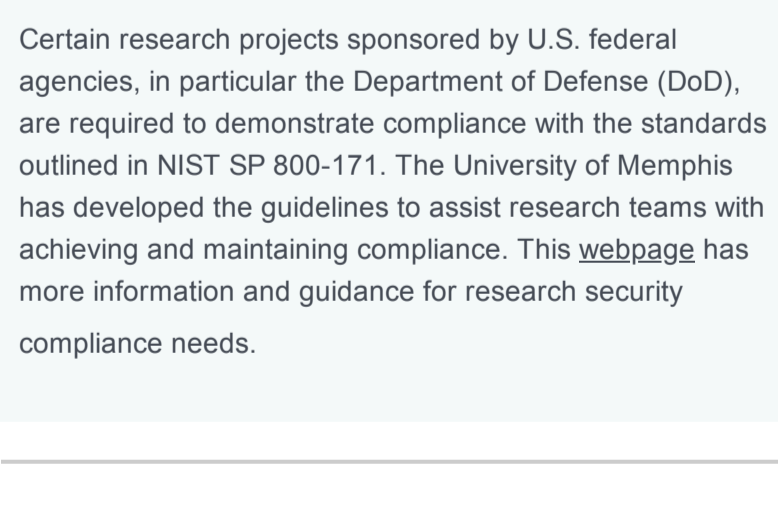
COVID-19 RESEARCH



COVID-19 RESEARCH



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COVID-19 RESEARCH



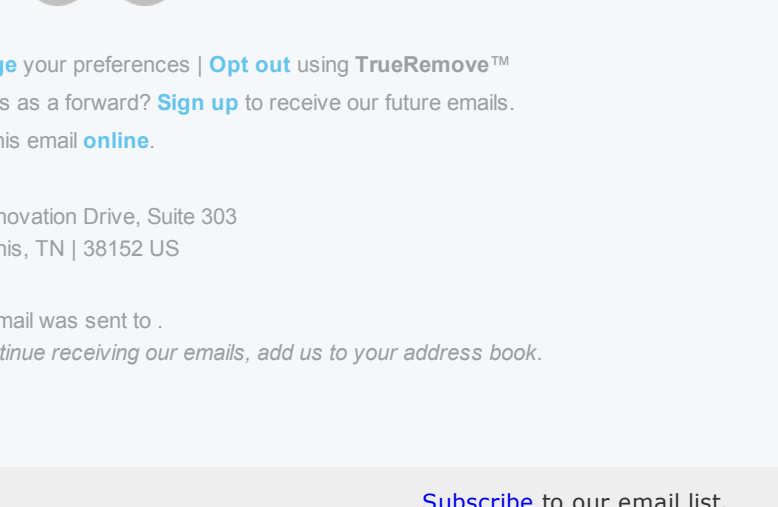
COVID-19 RESEARCH



COVID-19 RESEARCH



COVID-19 RESEARCH



Research Awards

October 2021

Dr. James

McGinnis, associate professor in the Department of Engineering Technology, was awarded \$599,997 from the University of Arkansas with the Federal Emergency Management Agency for his project "DHS/FEMA-CTG 20."

Dr. Irena Lasiecka,

distinguished university professor and chair in the Department of Math Sciences, was awarded \$216,184 from the National Science Foundation for her project "Promoting Success in Early College Mathematics through Graduate Teacher Training (PSECM-GTT): Phase II."

Dr. Stephanie Ivey,

associate dean for research in the Herff College of Engineering and professor in the Department of Civil Engineering, was awarded \$448,254 from the National Science Foundation for her project "Collaborative Research: The Urban STEM Collaboratory - Building STEM Identity and Student Success through Academic, Financial, Social, and Career Support" and \$35,000 from Battelle for her project "TSIN - West TN STEM Hub."

Dr. Brian Waldron,

associate professor of civil engineering and director of the Center for Applied Earth Science and Engineering, was awarded \$190,000 from the City of Memphis and the State of Tennessee for his project "CoM Stormwater GIS reintegration," \$56,580 from the City of Memphis for his project "BCS 2.0" and \$16,100 from the City of Bartlett for his project "Bartlett GW Support."

Dr. Matthew

Smeltzer, associate professor in the Division of Epidemiology, Biostatistics and Environmental Health, was awarded \$150,000 from St. Jude Children's Research Hospital with the National Institutes of Health for his project "RE-aiming at Hydroxyurea Adherence for Sickle Cell with mHealth" and \$49,061 from the Baptist Cancer Center with the National Institutes of Health for his project "Improving pathologic nodal staging of resected lung cancer."

Dr. Barbara Bekis,

coordinator in the Educational Support Program, was awarded \$150,000 from the Peer Power Foundation for her project "Peer Power Institute."

Mr. Jack Strahl,

associate director in the Center for Research in Educational Policy, was awarded \$92,308 from the Virginia Department of Education for his project "Virginia 21st CCLC 2022."

Dr. Richard

Bloomer, dean and professor in the College of Health Sciences, was awarded \$88,102 from Deerland Probiotics & Enzymes, Inc., for his project "Impact of SolarplastA on immunity."

Dr. Carolyn Kaldon,

research associate professor in the Center for Research in Educational Policy, was awarded \$15,993 from Battelle for her project "TSIN Rural STEM Collaborative General Evaluation."

* Data reported the 18th of each month.

Awards finalized after the 18th will be reported the following month.

Research + Innovation News

Quick Guide to Research & Sponsored Programs

Research Compliance

FedEx Institute of Technology

FedEx Institute of Technology News

Research Clusters

Emerging Tech Training

DevMemphis

Nov. 2 | 6-7:30 PM | FIT 225

NH Networking

Nov. 4 | 3-4:30 PM | FIT

Foundation Fridays:

Dollar General Literacy Foundation

Nov. 5 | 11 AM-NOON | Virtual

FIT Emerging Tech Training Business Architecture

Nov. 8-12 | 9 AM-5PM | Virtual

Memphis Web Workers

Nov. 9 | 6-8 PM | Virtual

MemPASS / Power BI

Nov. 11 | 5:30-7:30 PM | FIT 225

Creating Valid and Reliable Surveys

Nov. 12 | 11 AM-NOON | Virtual

Technology Serving Humanity Speaker Series:

"Egalitarian Machine Learning" featuring Dr. Clinton Castro

Nov. 12 | 4:30 PM | Virtual

FIT-Blockchain901 Seminar Series:

Blockchain Ecosystem Overview featuring Ramesh Ramadoss

Nov. 18 | 10 AM | Virtual

Sensing at the Edge Roundtable

Nov. 18 | 2-3:30 PM | FIT Fishbowl

Memphis M365

Nov. 18 | 3-5 PM | Hybrid

Copyright Questions and Challenges

Nov. 19 | 10-11 AM | Virtual

Memphis Game Developers Workshop

Nov. 20 | 6-8 PM | Virtual

Memphis PHP

Nov. 23 | 6:30-8 PM | FIT 225

FIT Emerging Tech Training: Enterprise Business Agility

Nov. 29-Dec. 3 | 8:30 AM-12:30 PM | Virtual

Have research for the newsletter? Contact us.

TECHNOLOGY SERVING HUMANITY SPEAKER SERIES

SEPT. 7 | 4:30 PM (CST)
"Pattern Power" with Kathleen Thelen (Virtual)

SEPT. 14 | 9 PM (CST)
"Set in Stone and Not Forgotten?" with Megan Bailey (Virtual)

OCT. 5 | 4:30 PM (CST)
"Social Media and Trust in the Age of AI" with Michael Lynch (Virtual)

NOV. 12 | 4:30 PM (CST)
"Egalitarian Machine Learning" with Clinton Castro

FEB. 5 | 4:30 PM (CST)
"Group Agency and Artificial Intelligence" with Catherine O'Hara

MARCH 18 | 4:30 PM (CST)
"Surveillance and the Trust Fall: How to Respond to the Trust Fall of Big Data" with Andrew Ferguson

MARCH 26 | 4:30 PM (CST)
"Victimhood Unsettled: Religious and Scientific Communities to Increase Diversity in Science" with Elaine Ecklund

APRIL 5 | 4:30 PM (CST)
"Designing Artificial Intelligence for Racial Justice" with Craig Watkins

RESEARCH + INNOVATION MAGAZINE

[CLICK TO VIEW](#)

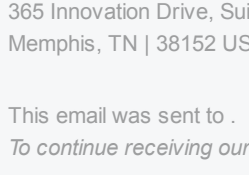
UMRF

Research Park

For the latest news and economic development initiatives at the research park, visit the [website »](#)

emmas

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